

AMENDMENT

Please amend the claims as follows:

Sub F-17
1. (Thrice Amended) A method for modifying the carbohydrate composition of a plant or plant organ, wherein said method comprises growing a transformed transgenic plant containing a vector or recombinant expression construct encoding a microbial endo-glucanase operably linked to a regulatory or leader sequence under conditions wherein said glucanase is expressed and the carbohydrate composition of said plant or plant organ is modified by the expressed glucanase and said regulatory sequence is selected from the group consisting of

- a) a regulatory sequence that directs expression of said enzyme-encoding nucleotide sequence at a selected stage of development or maturity of the transgenic plant or plant organ;
- b) a regulatory sequence comprising a 35S CaMV promoter; and
- c) a regulatory sequence directs tissue-specific expression of said enzyme-encoding nucleotide sequence in a plant; and wherein said leader sequence targets the expressed endo-glucanase to the carbohydrate material contained in a cellular compartment or organelle.

✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
Cancel claims 19-23, 33-35, 38, 41, 44, 47, 50 and 53, directed to nonelected invention.

✓ ✓
Cancel claims 36 and 39.

Sub G-17
26. (Twice Amended) A stably transformed, transgenic plant, characterized in that said plant contains a stably integrated gene encoding a microbial endo-glucanase resulting from the introduction of an expression cassette according to claim 54.

Sub F-17
58. (Twice Amended) A stably transformed, transgenic plant or plant organ, characterized in that said plant or plant organ contains a endo-glucanase modified carbohydrate composition contained in a cellular compartment or organelle, said plant or plant organ being made by the method of claim 1.